567, 144

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

PCT/US2004/029442

Confirmation No. Unknown

Applicant (s)

Aaron M. Gabelnick et al.

Filed

September 7, 2004

TC/A.U. Examiner

Unknown

22741

Unknown

Title

GLOW DISCHARGE-GENERATED CHEMICAL VAPOR

**DEPOSITION** 

Docket No.

63301A

Customer No.

00109

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

Amber K. Mobley

DATE OF DEPOSIT March 15, 2006

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

SIGNATURE OF PERSON SIGNING CERTIFICATE

March 15 2006

DATE OF SIGNATURE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **INFORMATION DISCLOSURE STATEMENT**

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO/SB/08a.

The cited U.S. patents and patent application publications are listed on Form PTO/SB/08a form. A copy of the cited foreign patent documents and non-patent literature are enclosed herewith. The Examiner is requested to review each reference and formulate his/her own understanding thereof.

Respectfully submitted,

M. Robert Christy

Registration No. 42,414

Phone: 989-636-0413

P. O. Box 1967 Midland, MI 48641-1967

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substite | ute for form 1449/PTO |                  | Complete if Known      |                   |  |
|----------|-----------------------|------------------|------------------------|-------------------|--|
|          | INCORMATION           |                  | Application Number     | PCT/US2004/029442 |  |
| i        | INFORMATION           |                  | Filing Date            | September 7, 2004 |  |
|          | STATEMENT BY          | / APPLICANT      | First Named Inventor   | Gabelnick et al.  |  |
| 1        | (Use as many shee     | ts as necessary) | Art Unit               | Not Assigned      |  |
|          |                       |                  | Examiner Name          | Not Assigned      |  |
| Sheet    | 1 of                  | 3                | Attorney Docket Number | 63301A            |  |

| Examiner Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date Name of Patentee or Applicant of | Name of Patentee or Applicant of | Pages, Columns, Lines, Where Relevant |
|--------------------|--------------------------|--|---|----------------------------------|---------------------------------------|
| initials"          |                          | Number-Kind Code <sup>2</sup> (if known) | (MM-DD-YYYY)                                      | Cited Document                   | Passages or Relevant Figures Appear   |
|                    |                          | US-5,576,076                             | 11-19-1996  | Slootman et al.                  |                                       |
|                    |                          | US-6,106,659                             | 08-22-2000  | Spence et al.                    |                                       |
|                    |                          | US-5,372,876                             | 12-13-1994  | Johnson et al.                   |                                       |
|                    |                          | US-5,344,462                             | 09-06-1994  | Paskalov et al.                  |                                       |
|                    |                          | US-5,041,304                             | 08-20-1991  | Kusano et al.                    |                                       |
|                    |                          | US-20020039869                           | 04-04-2002  | Achille                          |                                       |
|                    |                          | US-                                      |   |                                  |                                       |
|                    | <u> </u>                 | US-                                      |   |                                  |                                       |
|                    |                          | US-                                      |   |                                  |                                       |

| Examiner  | Date       |  |
|-----------|------------|--|
| Signature | Considered |  |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substit   | ute for form 1449/PTO |            | Complete if Known      |                   |  |
|---|-----------------------|------------|------------------------|-------------------|--|
|   | INFORMATION           | DISCLOSURE | Application Number     | PCT/US2004/029442 |  |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) |                       |            | Filing Date            | September 7, 2004 |  |
|   |                       |            | First Names Inventor   | Gabelnick et al.  |  |
|   |                       |            | Art Unit               | Not Assigned      |  |
|   |                       |            | Examiner Name          | Not Assigned      |  |
| Sheet   | of                    | 3          | Attorney Docket Number | 63301A            |  |

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Cite Document Number  No. 1 Country Code 3 - Number-Kind  Code 5 (if known) | Publication Date (MM-DD- YYYY) | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |               |
|-----------------------|--------------------------|---|--------------------------------|---|---|---------------|
|                       |                          | WO99/05358  | 02-04-1999                     | Sayers  |   | $\top \Gamma$ |
|                       |                          | EP 0761872  | 03-12-1997                     | Fagerholm et al.                                |   | ╁             |
| -                     |                          | EP 492,649  | 07-01-1992                     | Truckenmueller et al.                           | English abstract included.  | ╁┝            |
|                       |                          | WO00/70117  | 11-23-2000                     | Babayan et al.                                  |   | 十             |
|                       |                          | EP 617,142  | 09-28-1994                     | Koinuma et al.                                  |   | ╁┝            |
|                       |                          | WO02/07791  | 01-31-2002                     | Achille   |   | 恄             |
|                       |                          |   |                                |   |   | TE            |
|                       |                          |   |                                |   |   |               |
|                       |                          |   |                                |   |   |               |
|                       |                          |   |                                |   |   | 11            |
|                       |                          |   | -                              |   |   | <u> </u>      |
| ·                     |                          |   |                                |   |   | 닕             |
|                       |                          |   |                                |   |   | ╀             |
|                       | <del></del>              |   |                                |   |   | ╁╞            |
|                       |                          |   |                                |   |   | ┦╠            |
|                       |                          |   |                                |   |   | ╬             |
|                       |                          |   |                                |   |   | ┼╞            |
|                       |                          |   |                                |   |   | ╀┾            |
|                       |                          |   |                                |   |   | ┼┝            |
|                       |                          |   |                                |   |   | ╬             |
|                       |                          |   | ļ                              |   |   | ╁╞╸           |

| Examiner  | Date      |          |
|-----------|-----------|----------|
| Signature | Considere | a        |
|           | Considere | <u> </u> |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2  $\,$ 

PTO/SB/08A (08-03)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

|                       |                                   |                        | Complete if Known    |                   |  |
|-----------------------|-----------------------------------|------------------------|----------------------|-------------------|--|
| Substitute for form 1 | Substitute for form 1449/PTO      |                        |                      | •                 |  |
| INFORMATION           | INFORMATION DISCLOSURE STATEMENT  |                        |                      | PCT/US2004/029442 |  |
| BY APPLICANT          |                                   |                        | Filing Date          | September 7, 2004 |  |
|                       |                                   |                        | First Named Inventor | Gabelnick et al.  |  |
| (Us                   | (Use as many sheets as necessary) |                        |                      | Not Assigned      |  |
|                       |                                   |                        | Examiner Name        | Not Assigned      |  |
| Sheet 3 63301A 3      |                                   | Attorney Docket Number | 63301A               |                   |  |
|                       |                                   |                        |                      |                   |  |

| _                     |                          | NON PATENT LITERATURE DO   | CUMENTS                               |   |                |
|-----------------------|--------------------------|--|---------------------------------------|---|----------------|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the articl journal, serial, symposium, catalog, etc.), date, page(s), volume-issue r   | e (when appropri<br>number(s), publis | her, city and/or country where published.                     | Т <sup>6</sup> |
|                       |                          | "ATMOSPHERIC PLASMA: THE NEW FUNCTIONAL TREATMENT FO Corporation, USA. PLACE Conference, Boston, MA, United States, Sept Atlanta, GA CODEN: 69DMQ2 Conference written in English. AN 2003:1  | t. 9-12, 2002 (200<br>100668 CAPLUS   | 02), 887-909. Publisher: TAPPI Press,<br>(Copyright 2003 ACS) |                |
|                       |                          | "ATMOSPHERIC PLASMA: THE NEW FUNCTIONAL TREATMENT FO Corporation, USA. Conference Proceedings - Joint INDA-TAPPI Confere (2002), 497-503. Publisher: INDA, Association of the Nonwoven Fabrics written in English. AN 2003:50960 CAPLUS (Copyright 2003 ACS) | ence, Atlanta, GA                     | . United States, Sept. 24-26, 2002                            |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   |                |
|                       |                          |  |                                       |   | <del> </del>   |
| Examiner<br>Signature |                          |  | Date<br>Considered                    |   |                |

| *Examiner: | Initial if reference considered, whether or not citation is in conformation with MPEF | 609. Draw line through citation if not in conformance and not considered. | Include copy of this form with next |
|------------|---|---|-------------------------------------|
| communica  | ation to applicant.   |   |                                     |

This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (option). <sup>2</sup>Applicant is to place a check mark here in English language Translation is attached.